

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C (2)	
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C (1)		OPERATING HUMIDITY RANGE	
RATING		100 V AC		40 % TO 80 %	
CURRENT		0.5 A		STORAGE HUMIDITY RANGE	
				40 % TO 70 % (2)	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		X	X
MARKING	CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.		X	-
CONTACT RESISTANCE	20 mV MAX, 1 mA(DC OR 1000Hz)	50 mΩ MAX.		X	-
MILLIVOLT LEVEL METHOD					
INSULATION RESISTANCE	250 V DC	100 MΩ MIN.		X	-
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		X	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY 10 TO 55 Hz. AMPLITUDE : 1.5 mm. 2 hrs IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.			X	-
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 hrs.	① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN.		X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → MAX 5 → 30 → MAX 5 min 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.		X	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38)			X	-
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE: 240 °C, FOR IMMERSION DURATION, 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.		X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
REMARK (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED.					
(2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.					
Unless otherwise specified, refer to MIL-STD-1344.					
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.		ELC4-071637-22	
HRS		SPECIFICATION SHEET		PART NO. FX6-50P-0.8SV (92)	
		HIROSE ELECTRIC CO., LTD.		CODE NO. GL576-0004-1-92	
				DRAWN TK. YANAGISAWA	
		APPROVED HS. OKAWA		05.11.01	
		CHECKED HS. OZAWA		05.11.01	
		DESIGNED TK. YANAGISAWA		05.09.09	
		DRAWN TK. YANAGISAWA		05.09.09	